

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------|------------------|---------|---------------------|
| L2 | 1 | "349".clas. and oxygen adj plasma with nitrogen adj plasma | US-PGPUB; USPAT | OR | ON | 2009/09/30 21:45 |
| L3 | 7 | "349".clas. and oxygen near2 plasma same nitrogen near2 plasma | US-PGPUB; USPAT | OR | ON | 2009/09/30 22:14 |
| L8 | 90 | "349".clas. and buffer adj layer with (double or two or second) and (@ad< "20030630" or @rlad< "20030630") | US-PGPUB; USPAT | OR | ON | 2009/09/30 22:34 |
| L9 | 46 | "349".clas. and underlying adj (film layer) near4 (double or two or second) and (@ad< "20030630" or @rlad< "20030630") | US-PGPUB; USPAT | OR | ON | 2009/09/30 22:44 |
| L11 | 39 | "349".clas. and substrate near2 (protective adj (film layer)) near4 (double or two or second) and (@ad< "20030630" or @rlad< "20030630") | US-PGPUB; USPAT | OR | ON | 2009/09/30 22:50 |
| L12 | 8 | (hwang-yong-sup chae-gee- sung jo-gyoo-chul) not (cu copper).clm. and @pd> "20090212" | US-PGPUB; USPAT | OR | ON | 2009/09/30 22:55 |
| L13 | 2 | (hwang-yong-sup chae-gee- sung jo-gyoo-chul) and (cu copper).clm. and @pd> "20090212" | US-PGPUB; USPAT | OR | ON | 2009/09/30 22:55 |
| L14 | 4 | (hwang-yong-sup chae-gee- sung jo-gyoo-chul) and (cu copper).clm. and buffer.clm. | US-PGPUB; USPAT | OR | ON | 2009/09/30 22:55 |
| L16 | 5 | "10253976" | JPO; DERWENT | OR | ON | 2009/09/30 23:01 |
| L17 | 96 | 349/147,148.ccls. and (cu copper) and (@ad< "20030630" or @rlad< "20030630") | US-PGPUB; USPAT | OR | ON | 2009/10/01 01:00 |
| L18 | 185 | 349/147,148.ccls. not (cu copper) and (@ad< "20030630" or @rlad< "20030630") | US-PGPUB; USPAT | OR | ON | 2009/10/01 01:00 |

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| L19 | 70 | 349/147,148.ccls. not (@ad<"20030630" or @rlad<"20030630") | US-PGPUB; USPAT | OR | ON | 2009/10/01 01:00 |
| L25 | 32 | 349/122,138.ccls. and (double two second) adj (underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630") | US-PGPUB; USPAT | OR | ON | 2009/10/01 01:12 |
| L26 | 325 | 349/122,138.ccls. and (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630") | US-PGPUB; USPAT | OR | ON | 2009/10/01 01:13 |
| L27 | 815 | 349/122,138.ccls. not (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630") | US-PGPUB; USPAT | OR | ON | 2009/10/01 01:13 |
| L28 | 23 | 349/122,138.ccls. and 349/158.ccls. and (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630") | US-PGPUB; USPAT | OR | ON | 2009/10/01 01:14 |
| L29 | 55 | 349/122,138.ccls. and 349/158.ccls. not (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630") | US-PGPUB; USPAT | OR | ON | 2009/10/01 01:14 |
| L30 | 6 | ("6674502").URPN. | USPAT | OR | ON | 2009/10/01 01:20 |
| L31 | 10 | ("4429011" "5198392" "5327001" "5492843" "6144082" "6219125" "6335777" "6337723" "6414738" "6424091").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/01 01:21 |
| L32 | 98 | 349/158.ccls. and (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630") | US-PGPUB; USPAT | OR | ON | 2009/10/01 01:40 |
| L35 | 442 | 349/158.ccls. not (double two second) adj (layer underlying buffer protective) and (@ad<"20030630" or @rlad<"20030630") | US-PGPUB; USPAT | OR | ON | 2009/10/01 01:40 |
| L36 | 1 | ("2004/0090588").URPN. | USPAT | OR | ON | 2009/10/01 01:49 |

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| L37 | 2 | ("5583369").PN. OR ("6853433").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/10/01 01:54 |
| L38 | 391 | 349/139,187.ccls. and (double two second) adj (layer underlying buffer protective) and (@ad< "20030630" or @rlad< "20030630") | US-PGPUB; USPAT | OR | ON | 2009/10/01 01:56 |
| S1 | 4 | "20040041958" "20020117691" "6043511". pn. | US-PGPUB; USPAT | OR | ON | 2007/01/24 14:19 |
| S2 | 190 | LG.as. and copper.clm. | US-PGPUB; USPAT | OR | ON | 2007/02/02 14:40 |
| S3 | 23 | "349".clas. and LG.as. and copper.clm. | US-PGPUB; USPAT | OR | ON | 2007/02/02 15:52 |
| S4 | 1 | "20030155373" | US-PGPUB; USPAT | OR | ON | 2007/02/02 14:54 |
| S5 | 16 | "349".clas. and LG.as. and cu.clm. | US-PGPUB; USPAT | OR | ON | 2007/02/02 16:45 |
| S6 | 1 | "6043511".pn. | US-PGPUB; USPAT | OR | ON | 2007/02/07 14:24 |
| S10 | 13 | ("20020057395" "20020081847" "20020105604" "20020117691" "20020135710" "20030127649" "20030169380" "20030178656" "20030213966" "6043511" "6335211" "6350995" "6362507" "6674495" "6780784" "6861368").pn. and (copper cu) | US-PGPUB; USPAT | OR | ON | 2007/02/07 15:24 |
| S11 | 3 | ("20020057395" "20020081847" "20020105604" "20020117691" "20020135710" "20030127649" "20030169380" "20030178656" "20030213966" "6043511" "6335211" "6350995" "6362507" "6674495" "6780784" "6861368").pn. not (copper cu) | US-PGPUB; USPAT | OR | ON | 2007/02/07 15:24 |
| S13 | 3 | ("6750475" "5650834" "6674495").pn. and (cu copper) | US-PGPUB; USPAT | OR | ON | 2007/02/07 15:38 |
| S14 | 1 | "6323490".pn. | US-PGPUB; USPAT | OR | ON | 2007/02/07 17:07 |

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| S16 | 37 | "349".clas. and taper with gate adj electrode | US-PGPUB; USPAT | OR | ON | 2007/02/07 17:08 |
| S17 | 1 | "6350995".pn. | US-PGPUB; USPAT | OR | ON | 2007/02/07 17:39 |
| S21 | 50 | "349".clas. and adhesion with gate with substrate | US-PGPUB; USPAT | OR | ON | 2007/02/08 16:00 |
| S30 | 92 | 349/38,39.ccls. and @pd< "20020630" and passivation | US-PGPUB; USPAT | OR | ON | 2007/02/08 16:48 |
| S32 | 56 | (hwang-yong-sup chae-gee-sung jo-gyoo-chul) and (copper cu).clm. | US-PGPUB; USPAT | OR | ON | 2007/07/29 12:34 |
| S35 | 89 | (hwang-yong-sup chae-gee-sung jo-gyoo-chul) not (copper cu).clm. | US-PGPUB; USPAT | OR | ON | 2007/07/29 12:43 |
| S38 | 1 | (hwang-yong-sup chae-gee-sung jo-gyoo-chul) and (copper cu).clm. and @pd> "20070729" | US-PGPUB; USPAT | OR | ON | 2008/01/08 15:28 |
| S39 | 6 | (hwang-yong-sup chae-gee-sung jo-gyoo-chul) not (copper cu).clm. and @pd> "20070729" | US-PGPUB; USPAT | OR | ON | 2008/01/08 15:29 |
| S49 | 5 | (hwang-yong-sup chae-gee-sung jo-gyoo-chul) and (copper cu).clm. and @pd> "20080108" | US-PGPUB; USPAT | OR | ON | 2008/07/17 19:51 |
| S50 | 11 | (hwang-yong-sup chae-gee-sung jo-gyoo-chul) not (copper cu).clm. and @pd> "20080108" | US-PGPUB; USPAT | OR | ON | 2008/07/17 19:52 |
| S57 | 16 | 349/147,148.ccls. and @ad< "20020903" and (Cu copper) with (Ta Ti tantalum titanium) with (Mo molybdenum) with (source drain gate data signal bus line electrode) | US-PGPUB; USPAT | OR | ON | 2008/07/17 20:00 |
| S58 | 10 | 349/147,148.ccls. and @ad< "20020903" and schechter | US-PGPUB; USPAT | OR | ON | 2008/07/17 20:18 |
| S63 | 4 | (hwang-yong-sup chae-gee-sung jo-gyoo-chul) and (cu copper).clm. and @pd> "20080717" | US-PGPUB; USPAT | OR | ON | 2009/02/12 16:17 |
| S64 | 12 | (hwang-yong-sup chae-gee-sung jo-gyoo-chul) not (cu copper).clm. and @pd> "20080717" | US-PGPUB; USPAT | OR | ON | 2009/02/12 16:17 |

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| S65 | 1 | "6674502".pn. | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:48 |
| S66 | 4 | "349".clas. and etch\$4 with protect\$3 with substrate with (SiN or nitride) adj layer | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:51 |
| S67 | 5 | "349".clas. and etch\$4 with protect\$3 adj3 substrate with (SiN or nitride) | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:52 |
| S68 | 11 | "349".clas. and protect\$3 adj3 substrate with (SiN or nitride) | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:53 |
| S69 | 19 | "349".clas. and undercoat with substrate with (SiN or nitride) | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:54 |
| S70 | 64 | "349".clas. and etch\$4 with damag\$3 with substrate | US-PGPUB; USPAT | OR | ON | 2009/02/20 13:56 |
| S71 | 3 | "349".clas. and (etch\$4 with damag\$3 with substrate) same (SiN nitride) | US-PGPUB; USPAT | OR | ON | 2009/02/20 14:16 |
| S72 | 3 | "20040233361" "6509616". pn. | US-PGPUB; USPAT | OR | ON | 2009/02/20 14:18 |
| S73 | 2 | "349".clas. and (etch\$4 with buffer with substrate) same (SiN nitride) | US-PGPUB; USPAT | OR | ON | 2009/02/20 14:20 |
| S74 | 36 | (US-20030107023-\$ or US- 20040209407-\$ or US- 20040125257-\$ or US- 20030178656-\$ or US- 20040262569-\$ or US- 20020117691-\$ or US- 20040041958-\$ or US- 20060105579-\$ or US- 20040263706-\$ or US- 20020081847-\$ or US- 20040263708-\$ or US- 20050041170-\$ or US- 20030127649-\$ or US- 20020042167-\$ or US- 20040263746-\$ or US- 20050122443-\$ or US- 20080182352-\$ or US- 20010055084-\$).did. or (US- 7176535-\$ or US-6323490-\$ or US-6429908-\$ or US- 6674502-\$ or US-6043511-\$ or US-5739877-\$ or US- 7008548-\$ or US-7061020-\$ or US-6861368-\$ or US- 6462802-\$ or US-6091464-\$ or US-6674495-\$ or US- 5429962-\$ or US-5650834-\$ or US-6750475-\$ or US- 7277138-\$ or US-7352417-\$ | US-PGPUB; USPAT | OR | ON | 2009/02/20 14:32 |

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| | | or US-6184964-\$.did. | | | | |
| S75 | 56 | "349".clas. and (etch\$4 with (Ti Ta titanium tantalum)) same ((nitride SIN) with substrate) | US-PGPUB; USPAT | OR | ON | 2009/02/20 14:35 |
| S76 | 33 | 349/147,148.ccls. and @ad<"20020903" and (Cu copper) with (Ta Ti tantalum titanium) | US-PGPUB; USPAT | OR | ON | 2009/02/20 15:21 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-----------------------|------------------|---------|------------------|
| L43 | 50 | ("349".clas. or LCD. clm. or (liquid adj crystal).clm.) and ((double two second) adj (layer underlying buffer protective)).clm. with substrate.clm. and (copper cu).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2009/10/01 02:05 |
| L44 | 192 | ("349".clas. or LCD. clm. or (liquid adj crystal).clm.) and ((double two second) adj (layer underlying buffer protective)).clm. with substrate.clm. and (gate scan scanning).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2009/10/01 02:05 |

10/1/09 2:14:48 AM

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